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**DECLARATION IN ORIGINAL APPLICATION**

Attorney Docket No. SP01-033B

As a below named inventor, I declare that:

My residence, Post Office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **METHOD OF MAKING HIGH REPETITION RATE EXCIMER LASER CRYSTAL OPTICS AND UV<200NM TRANSMITTING OPTICAL FLUORIDE CRYSTAL.**

The specification of which (check only one item below):

- ☐ is attached hereto
- ☒ was filed as United States Application Serial No. 10/087,146 on March 1, 2002.
- ☐ was filed as PCT International Application Number , on

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate, on the same subject matter, having a filing date before that of the application on which priority is claimed:

- |                                     |                 |                         |                     |
|-------------------------------------|-----------------|-------------------------|---------------------|
| <input type="checkbox"/>            | <b>Country:</b> | <b>Application No.:</b> | <b>Filing Date:</b> |
| <input checked="" type="checkbox"/> | <b>NONE</b>     |                         |                     |

I hereby claim the benefit under Title 35 United States Code §119(e) and §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35 United States Code §112, I acknowledge the duty to disclose material information as defined in Title 37 Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

- |                                     |   |                                 |                        |
|-------------------------------------|---|---------------------------------|------------------------|
| <input checked="" type="checkbox"/> | <b>Provisional No.:</b> 60/272,814              | <b>Filed:</b> March 2, 2001     | <b>Status:</b> Lapsed  |
| <input checked="" type="checkbox"/> | <b>Provisional No.:</b> 60/356,987              | <b>Filed:</b> February 13, 2002 | <b>Status:</b> Pending |
| <input type="checkbox"/>            | <b>Application No. (if a Continuation):</b> 08/ | <b>Filed:</b>                   | <b>Status:</b> Pending |
| <input type="checkbox"/>            | <b>NONE</b>                                     |                                 |                        |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

DECLARATION IN ORIGINAL APPLICATION

Attorney Docket No. SP01-033B

Full Name of Inventor: Sandra L. Gray

Resident Address: 25 Stonybrook Road, Horseheads, NY 14845  
Post Office Address: same

Citizenship: United States

DATE: July 31, 2002

Sandra L. Gray  
Sandra L. Gray

Full Name of Inventor: Michael A. Pell

Resident Address: 20 rue de la Cloche, 77300 Fontainebleau, FRANCE  
Post Office Address: same

Citizenship: Canada

DATE: 6/6/02

Michael A. Pell  
Michael A. Pell

Full Name of Inventor: Charlene M. Smith

Resident Address: 222 Watauga Avenue, Corning, New York 14830  
Post Office Address: same

Citizenship: United States

DATE: 7/16/02

Charlene M. Smith  
Charlene M. Smith

Full Name of Inventor: Robert W. Sparrow

Resident Address: 28 Woodlawn Drive, Sturbridge, MA 01566  
Post Office Address: same

Citizenship: United Kingdom

DATE: 6/21/02

R. W. Sparrow  
Robert W. Sparrow

**DECLARATION IN ORIGINAL APPLICATION**

**Attorney Docket No. SP01-033B**

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**Full Name of Inventor:** Paul M. Then

**Resident Address:** 309 Steuben Street, Corning, New York 14830

**Post Office Address:** same

**Citizenship:** United States

**DATE:**

*Aug 19, 2002*   
Paul M. Then

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## ASSIGNMENT

FOR VALUE RECEIVED, WE, Sandra L. Gray, residing at 25 Stonybrook Road, Horseheads, New York; Michael A. Pell, residing at 20 rue de la Cloche, 77300 Fontainebleau, FRANCE; Charlene M. Smith, residing at 222 Watauga Avenue, Corning, New York; Robert W. Sparrow, 28 Woodlawn Drive, Sturbridge, MA 01566; and Paul M. Then, residing at 309 Steuben Street, Corning, New York, hereby sell, assign and transfer unto Corning Incorporated, a corporation organized and existing under the laws of the State of New York, having its principal place of business at Corning, New York, (hereinafter CORNING), as assignee, and unto its successors, assigns and legal representatives, the entire right, title and interest, for all countries, in and to certain inventions relating to a **METHOD OF MAKING HIGH REPETITION RATE EXCIMER LASER CRYSTAL OPTICS AND UV<200NM TRANSMITTING OPTICAL FLUORIDE CRYSTAL**, such inventions being generally described in an application for Letters Patent of the United States executed by us on the

DATE	July 31, 2002
DATE	June 6, 2002
DATE	July 16, 2002
DATE	June 21, 2002
DATE	August 19, 2002

respectively, provisional patent application Serial No. 60/272,814 filed by us in the United States on March 2, 2001, and provisional patent application Serial No. 60/356,987 filed by us in the United States on February 13, 2002, and in any future patent applications claiming the benefit of the filing date of that application, and all the rights and privileges under any and all Letters Patents that may be granted therefore.

WE request that any and all patents for said inventions be issued to CORNING, its successors, assigns and legal representatives, or to such nominees as CORNING may designate.

WE agree that, when requested, we will, without charge to CORNING and at CORNING's expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in CORNING, its successors, assigns and legal representatives or nominees.

WE authorize and empower CORNING, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for said Convention or entered as a supplement to, and to invoke and claim such right of priority without further written or oral authorization from us.

WE hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of CORNING, or its successors, assigns and legal representatives or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it or entered as a supplement to it.

WE covenant with CORNING, its successors, assigns and legal representatives or nominees, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

Signed in France, this:

6/6/02  
Date

Michael A. Pell  
Michael A. Pell

On the 6 day of June 2002, before me personally came Michael A. Pell known to be the individual described in, and who executed, the foregoing instrument, and acknowledged that he/she executed the same.

Witness [Signature]

Signed in the United States, this:

July 31, 2002  
Date

Sandra L. Gray  
Sandra L. Gray

07/16/02  
Date

Charlene M. Smith  
Charlene M. Smith

6/21/02  
Date

R. W. Sparrow  
Robert W. Sparrow

8/19/02  
Date

Paul M. Then  
Paul M. Then

State of New York)  
: ss.  
County of Steuben)

On the 31<sup>st</sup> day of JULY 2002, before me personally came Sandra L. Gray known to be the individual described in, and who executed, the foregoing instrument, and acknowledged that he/she executed the same.

Susan M. Hynes  
Notary Public

Susan M. Hynes  
Notary Public State of New York  
No. 01HY6023186  
Qualified in Steuben County  
Commission Expires April 19, 2003

State of New York)  
: ss.  
County of Steuben)

On the 16th day of July 2002, before me personally came Charlene M. Smith known to be the individual described in, and who executed, the foregoing instrument, and acknowledged that he/she executed the same.

[Signature]  
Notary Public

CHRISTINE M. SAMSON  
Notary Public, State of New York  
No. 01SA6016665  
Qualified in Steuben County  
Commission Expires November 23, 2002

State of Massachusetts )  
County of Worcester ) ss.

On the 21 day of June 2002, before me personally came Robert W. Sparrow known to be the individual described in, and who executed, the foregoing instrument, and acknowledged that he/she executed the same.

Jane A. Sterndale  
Notary Public Jane A. Sterndale  
My Commission expires: May 30, 2008

State of New York)  
County of Steuben) ss.

On the 19th day of August 2002, before me personally came Paul M. Then known to be the individual described in, and who executed, the foregoing instrument, and acknowledged that he/she executed the same.

Michele N. O'Dell  
Notary Public

MICHELE N. O'DELL  
Notary Public, State of New York  
Saratoga County No. 4776516  
Term Expires 5/31/04



COPY OF PAPERS  
ORIGINALLY FILED

**PATENT**  
Case Name/No.: SP01-033B

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Applicant(s):** Gray et al.

**Serial No.:** 10/087,146

**Filed:** March 1, 2002

**For:** METHOD OF MAKING HIGH  
REPETITION RATE EXCIMER  
LASER CRYSTAL OPTICS AND  
UV<200NM TRANSMITTING  
OPTICAL FLUORIDE CRYSTAL

**COMBINED  
CERTIFICATE  
UNDER 37 CFR 3.73(b)  
and  
POWER OF ATTORNEY**

Assistant Commissioner for Patents  
Washington, DC 20231

**CERTIFICATE UNDER 37 CFR 3.73(b)**

**CORNING INCORPORATED**, a New York corporation, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventor(s) of the patent application identified above. A true copy of the unrecorded Assignment is attached hereto.

The undersigned has reviewed the above referenced assignment of the patent application identified above and, to the best of the undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

**PATENT**

Case Name/No.: SP01-033B

**POWER OF ATTORNEY BY ASSIGNEE**

CORNING INCORPORATED, the assignee of the full and exclusive right, title and interest in and to the accompanying application for United States Letters Patent entitled METHOD OF MAKING HIGH REPETITION RATE EXCIMER LASER CRYSTAL OPTICS AND UV<200NM TRANSMITTING OPTICAL FLUORIDE CRYSTAL and executed by **Sandra L. Gray, Michael A. Pell, Charlene M. Smith, Robert W. Sparrow and Paul M. Then** on **7/31/02, 6/6/02, 7/16/02, 6/21/02 and 8/19/02**, respectively, appoints the following agents/attorneys to prosecute that application and to transact all business in the Patent and Trademark Office connected therewith:

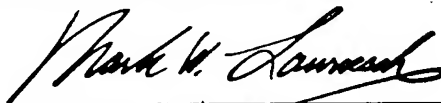
**Customer Number**  
22928

Direct all telephone calls and correspondence to:

Edward F. Murphy  
Corning Incorporated  
SP-TI-03  
Corning, NY 14831  
(607) 974-3716

Date: 8/19/02

CORNING INCORPORATED

By   
Mark W. Lauroesch  
Assistant Secretary